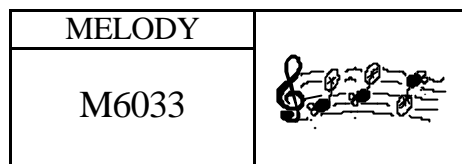




MECHANICAL SOUND  
MOTOR DRIVE

機械聲雙音 IC  
可推動馬達



### FEATURES 功能敘述

1024 notes dual tone.  
5 operating mode.

	MODE	SEL	TG
CONTINUOUS	X	X	VSS
ON/OFF	VSS	X	
RETRIGGER	X	X	
TRIGGER	X	VSS	
LH	VSS	VSS	

### APPLICATION 產品應用

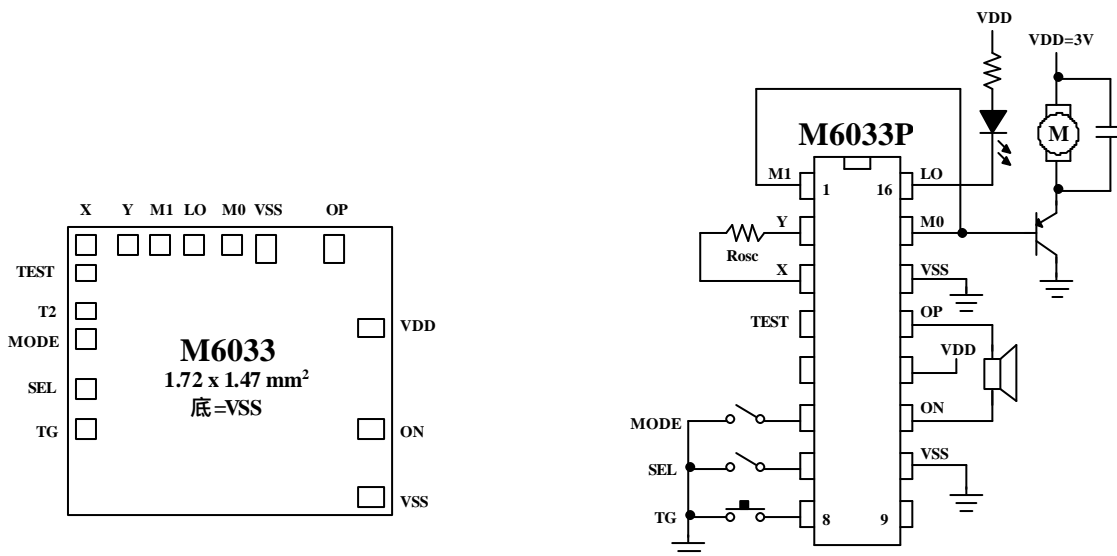
Melody toys, musical instrument.

### ELECTRICAL CHARACTERISTICS 電氣規格

( @  $V_{DD}=3V$  unless otherwise specified )

Characteristics	Sym.	Min.	Typ.	Max.	Unit	REMARKS
工作電壓 Operating Voltage	$V_{DD}$		3	5	V	
工作電流 Operating Current	$I_{OP}$		50		mA	No load
靜態電流 Quiescent Current	$I_{SB}$		1		$\mu A$	
推動電流 BZ Driving Current	$I_O$		1		mA	@ $V_{DS}=1V$
推動電流 LO Driving Current	$I_{OL}$		2		mA	@ $V_{DS}=1.2V$
振盪頻率 Oscillator Frequency	$F_{OSC}$		900		KHz	External $\pm 30\%$ , $R_{osc}=56K$
工作溫度 Operating Temperature	Temp.	0	25	60		

### APPLICATION DIAGRAM 參考電路圖



\*All specs and applications shown above subject to change without prior notice.

( 以上電路及規格僅供參考,本公司得逕行修正 )



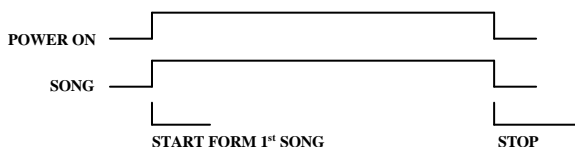
MECHANICAL SOUND  
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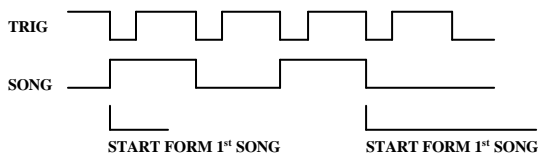
MELODY	
M6033	

### FUNCTION MODE DESCRIPTION

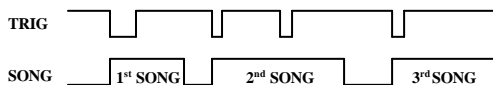
#### CONTINUOUS MODE



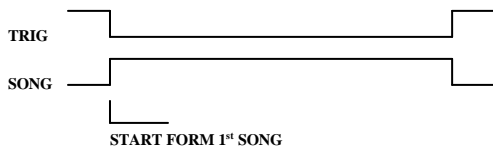
#### ON/OFF MODE



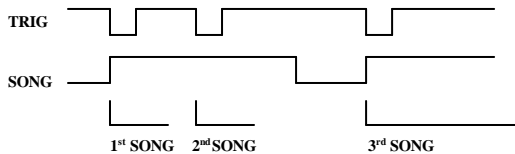
#### TRIGGER MODE



#### LEVEL HOLD MODE



#### RETRIGGER MODE





MECHANICAL SOUND  
MOTOR DRIVE

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MELODY	
M6033	

**SONG LIST**

**M6033-1**

- 1 Jingle bells
- 2 O come, all ye faithful (adeste fideles)
- 3 O Christmas tree (O tannenbaum)
- 4 Angles we have heard on high
- 5 O little town of bethlehem
- 6 The twelve days of Christmas
- 7 Hark! The herald angles sing
- 8 Silent night
- 9 Deck the halls
- 10 The first noel
- 11 Joy to the world
- 12 We wish you a merry Christmas

**M6033-2**

- 1 Branm's lullaby
- 2 Twinkle twinkle little star
- 3 Are you sleeping
- 4 London bridge is falling down
- 5 Rock-a-by baby
- 6 Kankee doodle
- 7 My bonnie lies over the ocean
- 8 Down the mountain side we go
- 9 Battle hymn
- 10 Oh! My darling
- 11 Skip to my Lou
- 12 Camp town race

**M6033-3**

- 1 Love me tender
- 2 Let me call you sweet heart
- 3 You are my sunshine
- 4 Silver threads among the gold
- 5 Love's old sweet song
- 6 A time for us
- 7 Music box dancer
- 8 Green sleeves
- 9 Ballad pour Adeline

**M6033-4**

- 1 Easter parade
- 2 Peter cotton tail
- 3 American patrol
- 4 Easter
- 5 Easter's here